

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (previously presented) A cabin services system for use within a cabin of a mobile platform, the cabin services system comprising:

at least one audio subsystem including a plurality of programmable speaker drive modules;

at least one lighting subsystem including a plurality of programmable overhead electronics units; and

at least one crew interface subsystem including a plurality of programmable interface panels;

wherein each speaker drive module, each overhead electronics unit and each interface panel includes configuration data used to provide one or more operations of each respective subsystem within the cabin of the mobile platform; a controller for outputting signals operative with the configuration data to control the one or more operations of each subsystem;

a plurality of zone modules selectively distributed throughout the cabin controlled by the controller for routing signals between the controller and each subsystem and between the subsystems; and

a plurality of dedicated switched data busses communicatively interconnecting the speaker drive modules, the overhead electronics units and the interface panels with the zone switching modules and the zone switching modules to the controller, wherein all the data busses are the same type of local area network cable.

2. (previously presented) The cabin services system according to claim 1, wherein all the busses comprise IEEE 10/100 Base T Ethernet cables.

3. (previously presented) The cabin services system according to claim 2, wherein the zone switching modules are configured in one of a series and star configuration.

4. through 7 (cancelled)

8. (original) The cabin services system according to claim 1, wherein the controller comprises one or more lookup tables having control information therein for use in controlling the plurality of subsystems.

9. (original) The cabin services system according to claim 8, wherein the one or more lookup tables comprise control commands associated with one or more states of the plurality of subsystems.

10. (previously presented) A mobile platform having a cabin services system for controlling lighting and audio operations within a cabin of the mobile platform, the mobile platform comprising:

- a plurality of passenger seats;

- at least one audio subsystem including a plurality of programmable speaker drive modules;

- at least one lighting subsystem including a plurality of programmable overhead electronics units; and

- at least one crew interface subsystem including a plurality of programmable interface panels;

- wherein each speaker drive module, each overhead electronics unit and each interface panel includes configuration data used to provide one or more operations of each respective subsystem within the cabin of the mobile platform;

- a controller for outputting signals operative with the configuration data to control the one or more operations of each subsystem;

- a plurality of zone modules selectively distributed throughout the cabin controlled by the controller for routing signals between the controller and each subsystem and between the subsystems; and

- a plurality of dedicated switched data busses communicatively interconnecting the speaker drive modules, the overhead electronics units and the interface panels with the zone switching modules and the zone switching modules to the controller, wherein all the data busses are the same type of local area network cable.

11. (cancelled)

12. (cancelled)

13. (previously presented) The mobile platform according to claim 10, wherein the crew interface subsystem further comprises at least one of audio handsets and panel displays.

14. (cancelled)

15. (previously presented) The mobile platform according to claim 10, wherein the busses comprise IEEE 10/100 Base T Ethernet cables.

16. (previously presented) The mobile platform according to claim 10, wherein the lighting subsystem further comprises at least one of passenger cabin lighting and emergency cabin lighting.

17. (previously presented) The mobile platform according to claim 10, wherein the audio subsystem further comprises at least one of handsets and cabin speakers.

18. (previously presented) A method of controlling operations within a cabin of a mobile platform, the method comprising:

connecting a plurality of zone switching modules selectively distributed throughout the cabin to:

at least one audio subsystem including a plurality of programmable speaker drive modules;

at least one lighting subsystem including a plurality of programmable overhead electronics units; and

at least one crew interface subsystem including a plurality of programmable interface panels;

via a plurality of dedicated switched data busses, each speaker drive module, each overhead electronics unit and each interface panel including configuration data used to provide an operation of the related mobile platform subsystem;

connecting the zone switching modules to a controller adapted to output control signals operative with the configuration data to provide the operations of the mobile platform subsystems;

receiving, at the controller, a command signal from at least one of the mobile platform, the crew of the mobile platform, and the passengers on the mobile platform; and

selectively activating at least one of the speaker drive modules, the overhead electronics units and the interface panels, via the zone switching modules, for controlling operations of one or more of the related subsystems in accordance with the command signal.

19. (previously presented) The method according to claim 18, further comprising:

determining control commands for controlling the speaker drive modules, the overhead electronics units and the interface panels using a lookup table stored in each speaker drive module, each overhead electronics unit and each interface panel.

20. (cancelled)